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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/902,566	07/12/2001	Mitsuaki Kurokawa	010906	3637

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EXAMINER

NGUYEN, LUONG TRUNG

ART UNIT	PAPER NUMBER
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2612

DATE MAILED: 10/06/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b> 09/902,566	<b>Applicant(s)</b> KUROKAWA, MITSUAKI	
	<b>Examiner</b> LUONG T. NGUYEN	<b>Art Unit</b> 2612	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 2 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 12 July 2001.
- 2a) ☐ This action is **FINAL**.                      2b) ☐ This action is non-final.
- 3) ☒ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-11 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 1-11 is/are allowed.
- 6) ☐ Claim(s) \_\_\_\_\_ is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 12 July 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All    b) ☐ Some \*    c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |   |   |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)  | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date <u>04/07/04</u> . | 6) <input type="checkbox"/> Other: _____  |

## DETAILED ACTION

### *Priority*

1. Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

### *Claim Objections*

2. Claims 1-11 are objected to because of the following informalities:

Claim 1 (line 5), "A first capable" should be changed to --A first table capable--.

Claim 1 (line 7), "A second capable" should be changed to --A second table capable--.

Claim 2 (line 6), "said reference detector" should be changed to --said reference value detector--.

Claim 2 (line 7), "target value detector" should be changed to --target value detector--.

Claim 3 (line 3), "a hue" should be changed to --the hue--.

Claim 4 (line 3), "target values" should be changed to --target values--.

Claim 5 (line 2), claim 6 (line 2), "said pixel corrector" should be changed to --said pixel value corrector--.

Claim 9 (line 2), "renewer" should be changed to --renewer--.

Claim 11 (line 5), "A first capable" should be changed to --A first table capable--.

Claim 11 (line 7), "A second capable" should be changed to --A second table capable--.

Claims 2-10 are objected as being dependent on claim 1.

Appropriate correction is required.

***Allowable Subject Matter***

3. Claims 1-11 are allowed.

The following is a statement of reasons for the indication of allowable subject matter:

Regarding claims 1 and 11, the prior art of the record fails to show or fairly suggest a digital camera for subjecting an image signal of a photographed object to an image quality control, comprising a first capable of holding a plurality of reference values which relates to said predetermined image quality evaluation element; a second capable of holding a plurality of target values which relates to said predetermined image quality evaluation element; a corrector to correct said pixel value based upon said first table and said second table.

Claims 2-10 are allowable for the reason given in claim 1.

***Conclusion***

4. This application is in condition for allowance except for the objections of claims 1-11 as indicated above.

Prosecution on the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

A shortened statutory period for reply to this action is set to expire **TWO MONTHS** from the mailing date of this letter.

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Art Unit: 2612

Matsumoto et al. (US 5,291,276) discloses apparatus for processing a video signal to generate video signal adjustment data that is self-contained with the video equipment.

Ichikawa (US 5,333,070) discloses apparatus for adjustment hue, chrominance, and luminance of a video signal using matrix circuits.

Wada (US 5,446,504) discloses image signal processing apparatus having function for compressing dynamic and correcting color saturation.

Vogel (US 5,668,596) discloses digital image device optimized for color performance.

Yamashita et al. (US 5,691,779) discloses color conversion apparatus that restricts the color reproduction range of primary color signals.

Higuchi (US 6,618,079) discloses color connecting apparatus for a video camera.

Sakamoto (US 6,711,289) discloses color conversion apparatus and method.

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to LUONG T. NGUYEN whose telephone number is (571) 272-7315. The examiner can normally be reached on 7:30AM - 5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, NGOCYEN VU can be reached on (571) 272-7320. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2612

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

LN LN  
10/01/05



NGOC-YEN VU  
PRIMARY EXAMINER